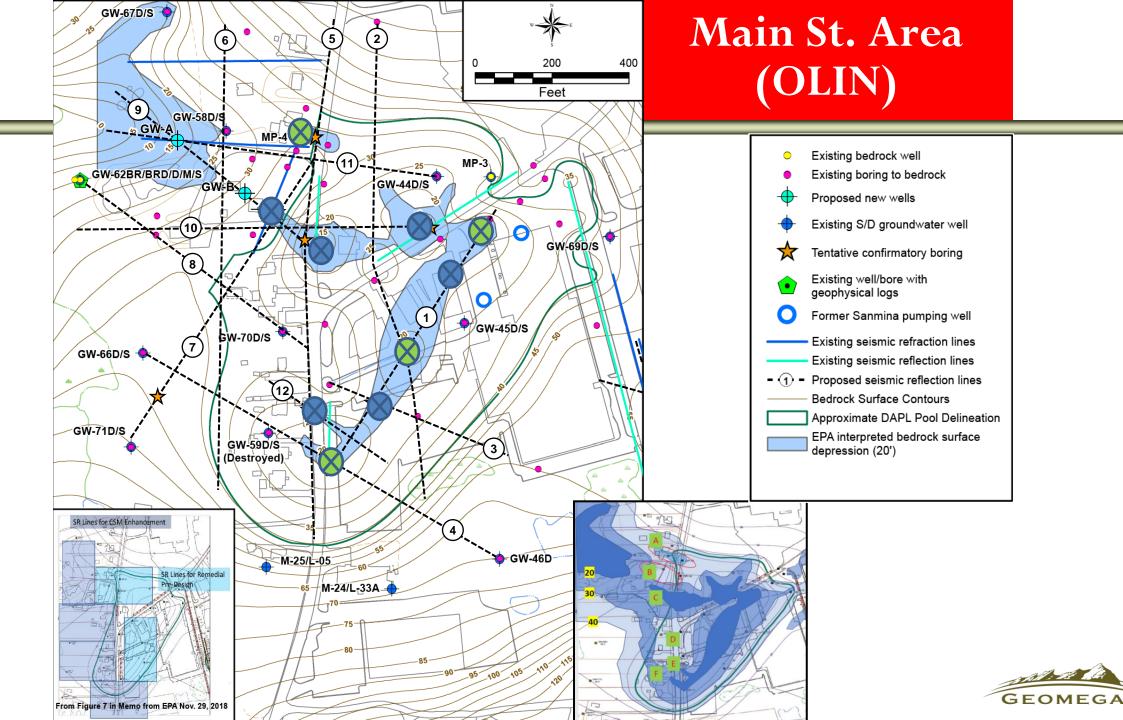
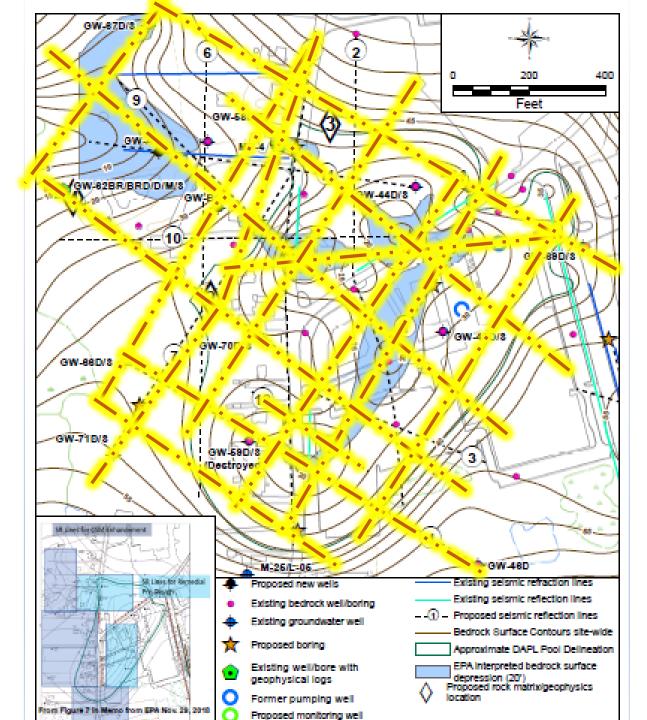
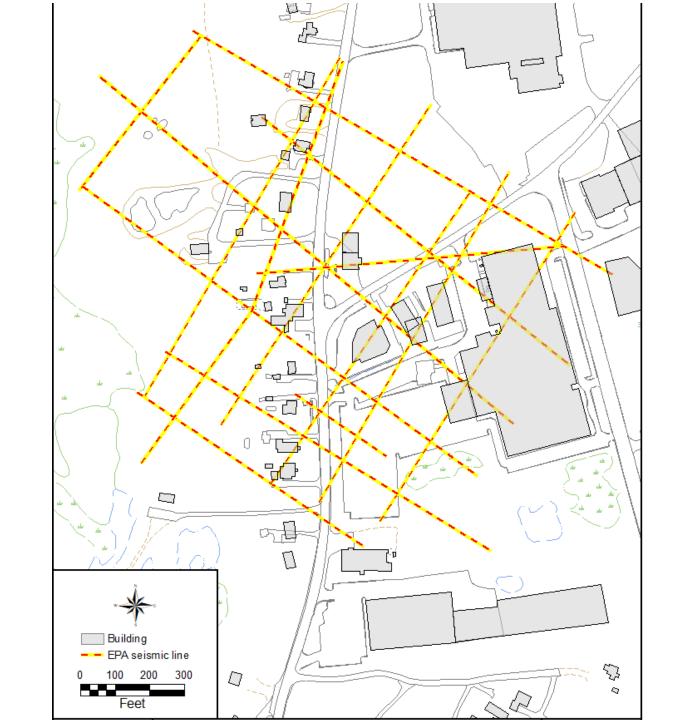
Olin's recommended modifications to USEPA's proposed OCSS seismic Lines following the July 12<sup>th</sup> conference Call



EPA Seismic Reflection Survey Alignments (See Memo)

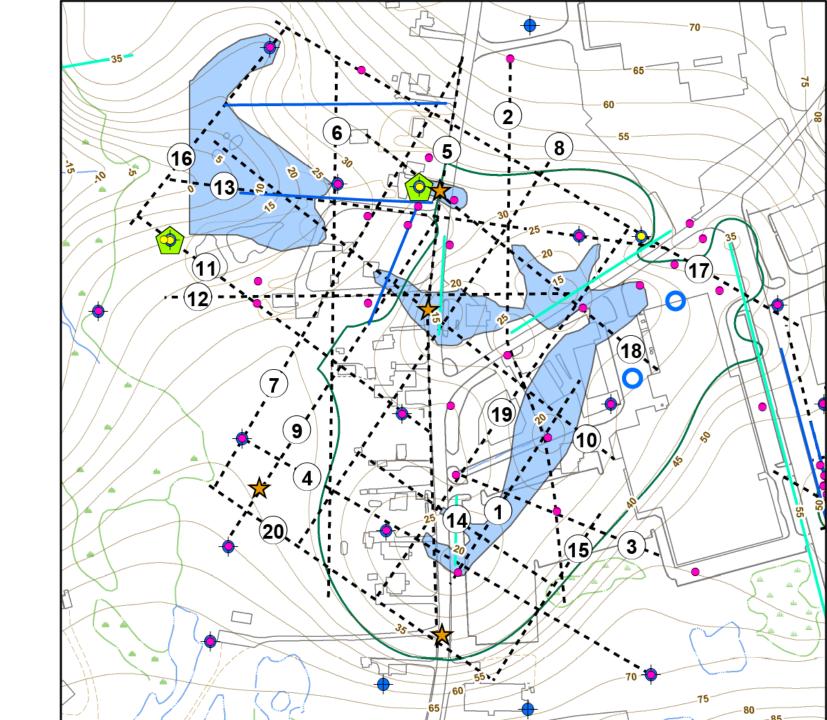


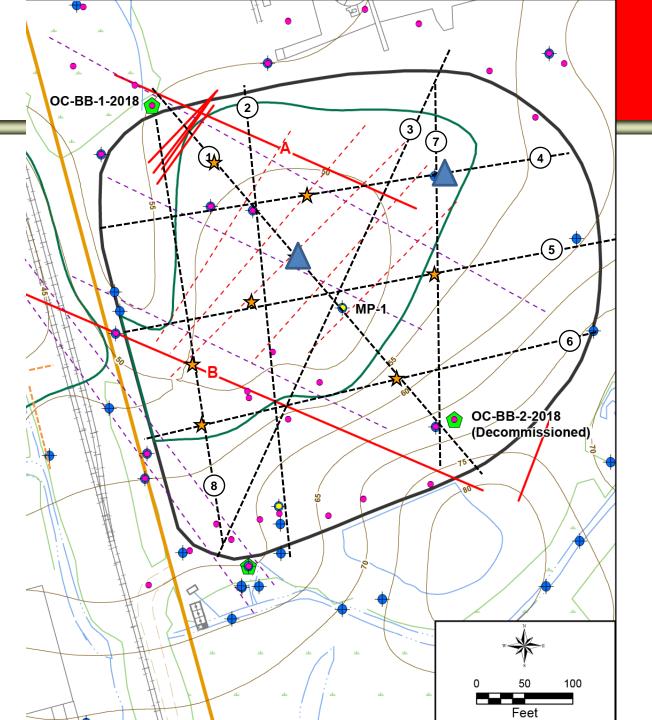
Revised Seismic Reflection Alignments Main Street Structural Impediments



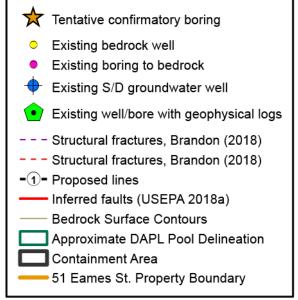
### Olin's New Proposed Lines

These take into consideration structural impediments





## **Containment Area** (OLIN PROPOSAL)



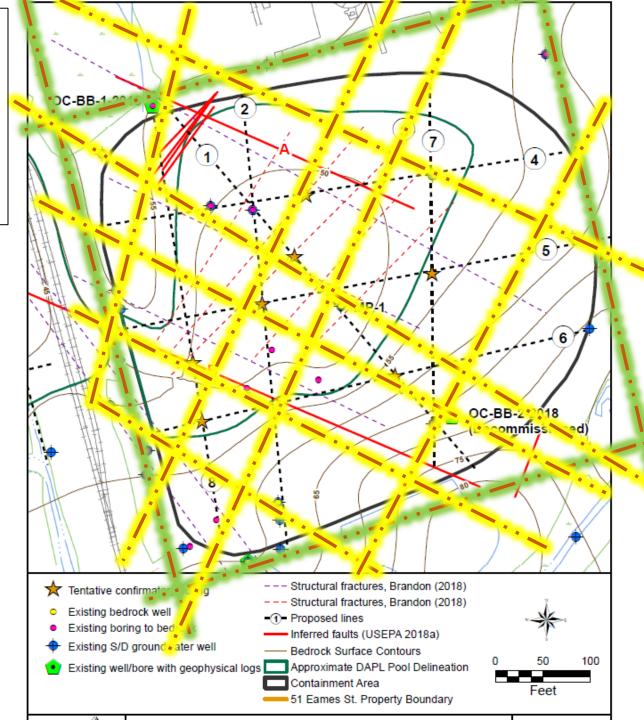


Preliminary soil bore locations



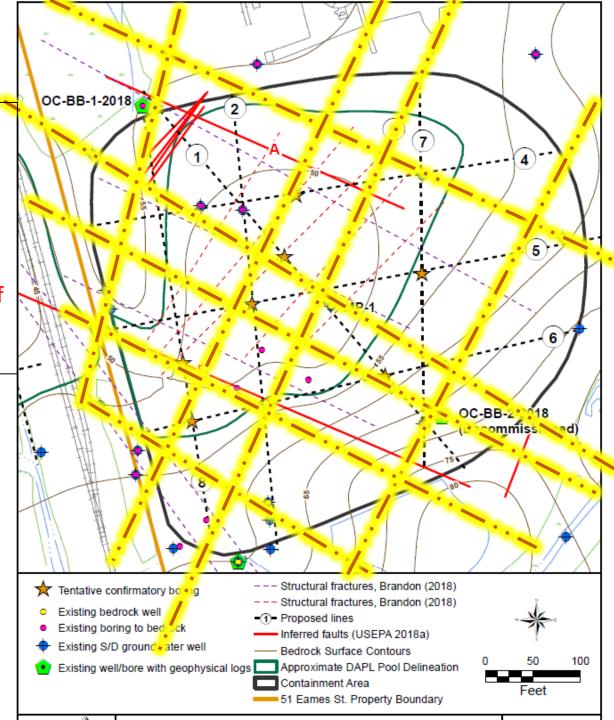
EPA Seismic Reflection Survey Alignments (See Memo)

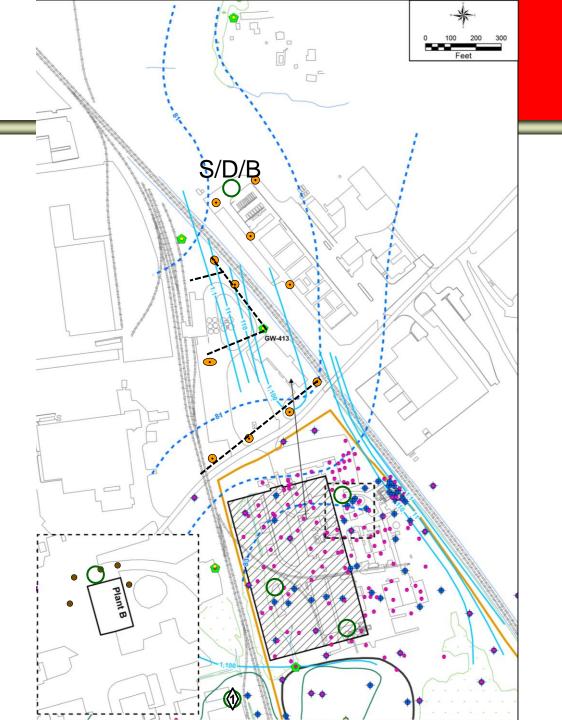
Revised Seismic
Reflection Alignments



#### Olin's Proposal

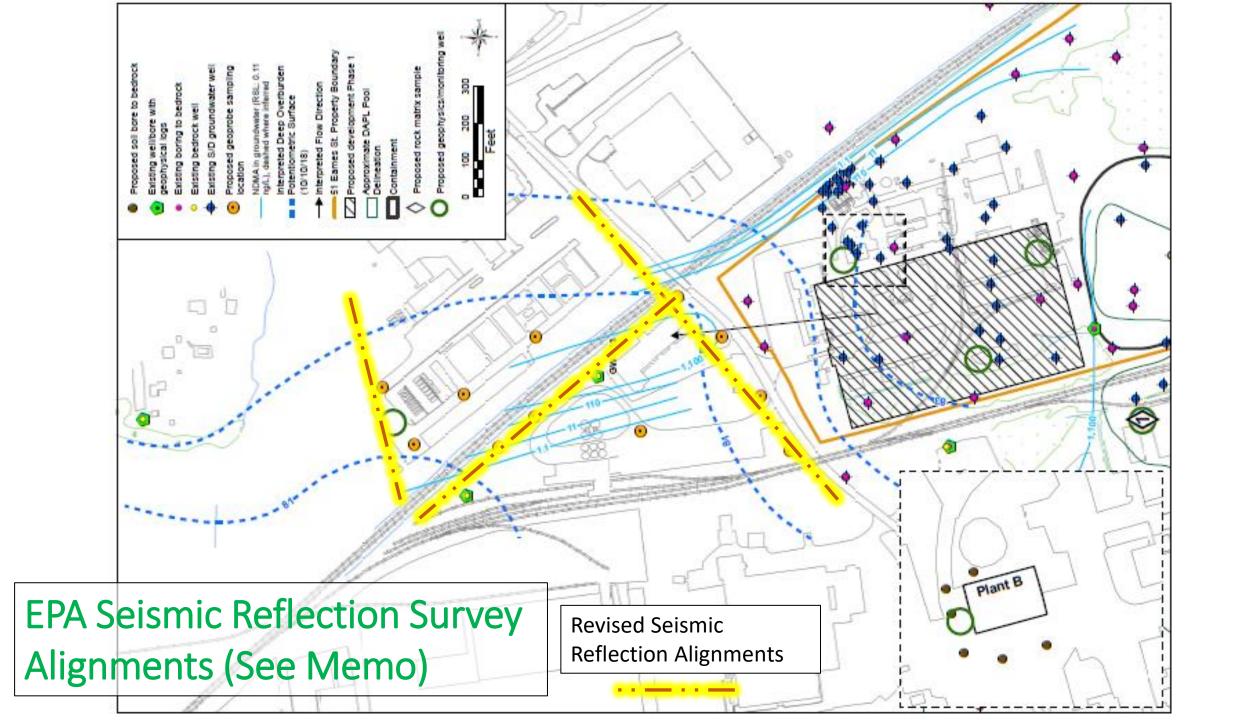
Remove 4 peripheral seismic lines because the sensitivity of the method to detect gaps under the CA wall is unknown. the lines intersecting the wall will provide information to inform a decision on the value of these lines at a future date.

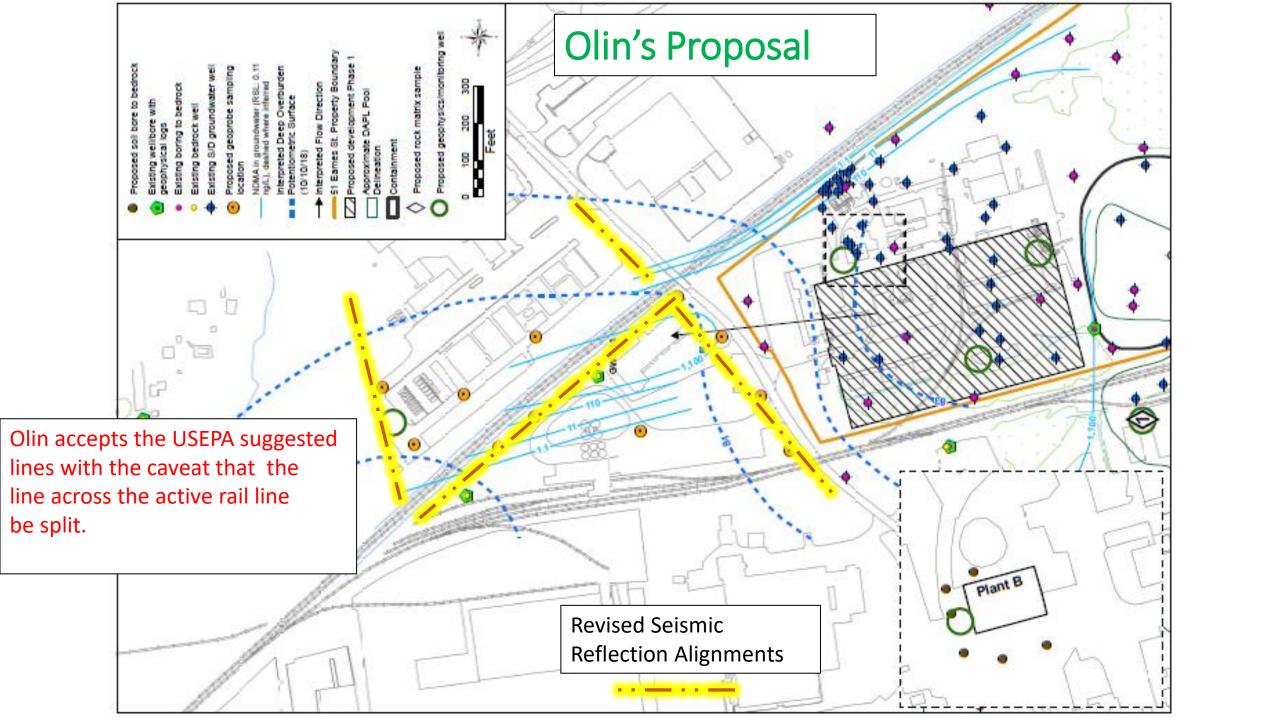




## North of Olin Area (OLIN PROPOSAL)

- Proposed soil bore to bedrock
- Existing well/bore with geophysical logs
- Existing boring to bedrock
- Existing bedrock well
- Existing S/D groundwater well
- Proposed geoprobe sampling location
- NDMA in groundwater (RSL: 0.11 ng/L), dashed where inferred
- Interpreted Deep Overburden
- Potentiometric Surface (10/10/18)
- → Interpreted Flow Direction
- 51 Eames St. Property Boundary
- Proposed development Phase 1
  - Approximate DAPL Pool Delineation
  - Delineation
- Containment
- Proposed rock matrix sample
- Proposed geophysics/monitoring well





## GW-26 (Decommis ned) (2)MP-2 100 Feet

### Jewel Dr. Area OLIN PROPOSAL



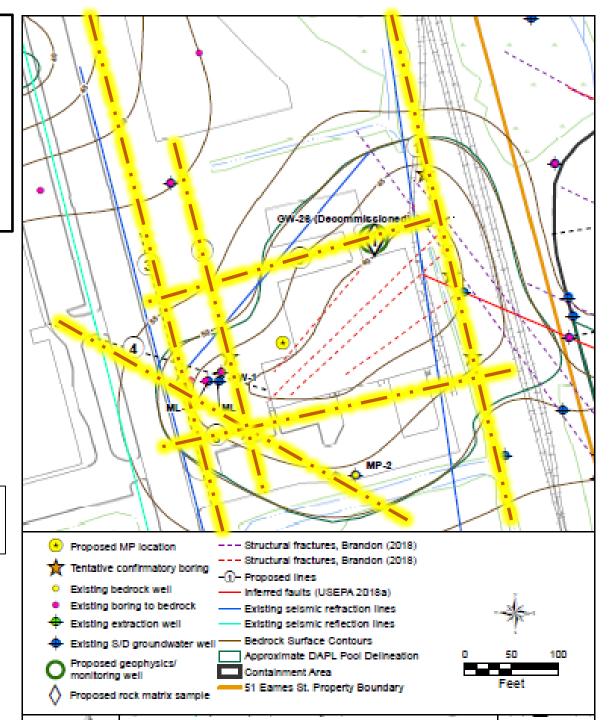
- ★ Proposed MP location
- Tentative confirmatory boring
- Existing bedrock well
- Existing boring to bedrock
- Existing extraction well
- Existing S/D groundwater well
- Proposed geophysics/ monitoring well
- - Structural fractures, Brandon (2018)
- - Structural fractures, Brandon (2018)
- -1 Proposed lines
- Inferred faults (USEPA 2018a)
- Existing seismic refraction lines
- Existing seismic reflection lines
- Bedrock Surface Contours
- Approximate DAPL Pool Delineation
- Containment Area
- ── 51 Eames St. Property Boundary



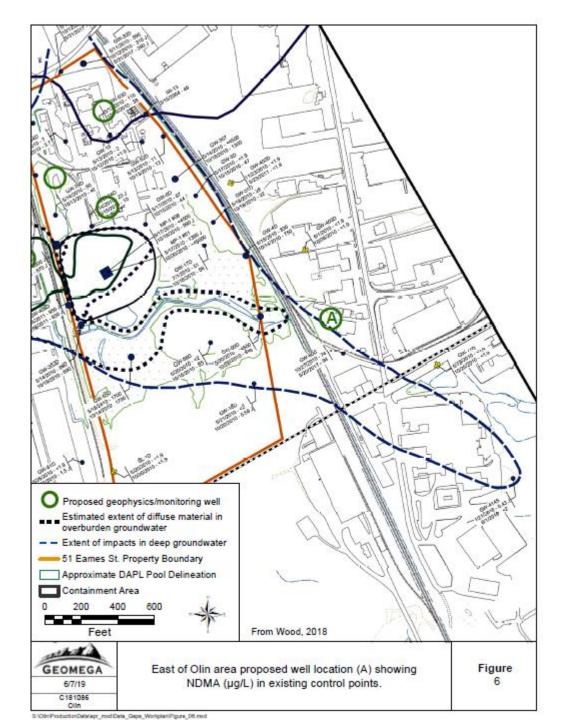
# EPA Seismic Reflection Survey Alignments (See Memo)

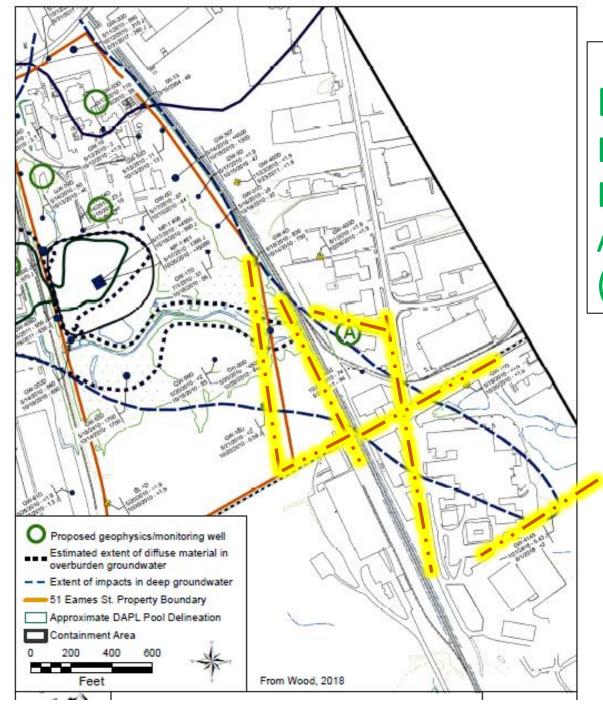
Revised Seismic Reflection Alignments

Olin accepts the USEPA suggested lines



## EAST OF OLIN (OLIN PROPOSAL)



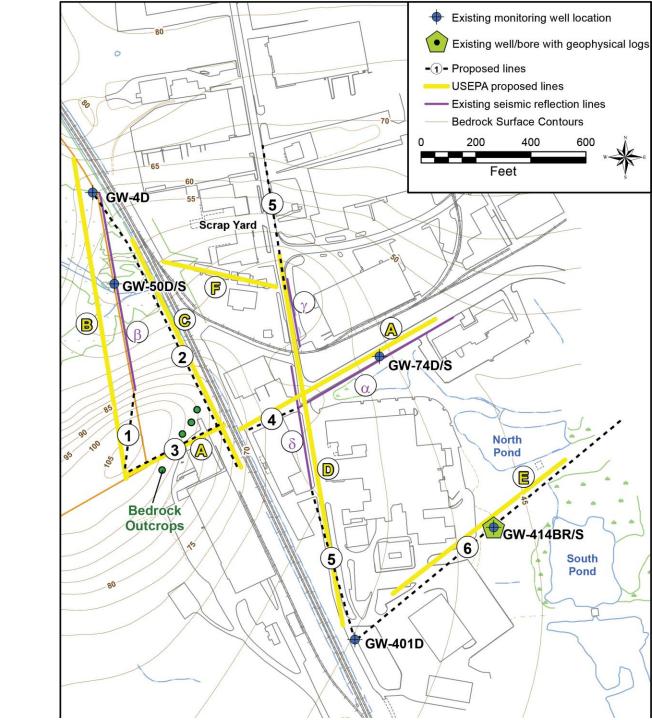


EAST OF OLIN
EPA Proposed Seismic
Reflection Survey
Alignments
(See Memo)

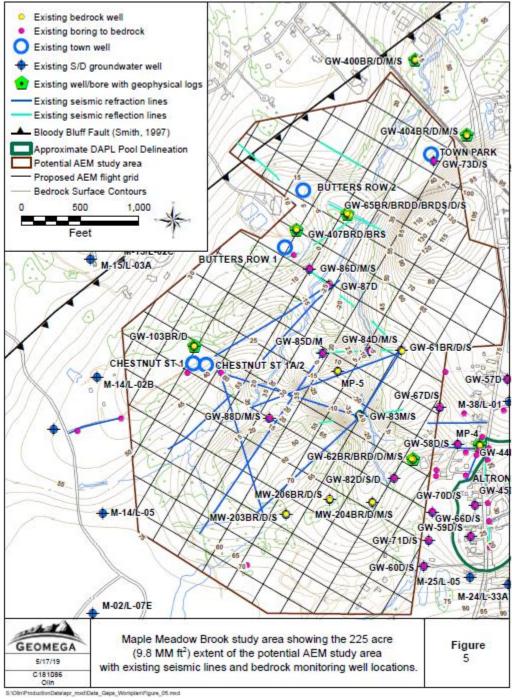
Proposed Seismic Reflection Alignments

## EAST OF OLIN Olin's proposed lines

Please see the memo accompanying this Power Point for a detailed explanation of the rationale behind Olin's proposed lines



### MMB AEM SURVEY (OLIN PROPOSAL)



### MMB AEM SURVEY EPA Coverage Recommendation (see Memo)

Proposed Survey Area (see memo)



As mentioned on the July 12<sup>th</sup> telephone call, there Are FAA constraints to flying over residences. However, Olin is exploring the possibility of flying around the Wilmington treatment plant to obtain additional coverage to the west and northwest

